

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013891.D
 Acq On : 26 May 2023 14:27
 Operator : KP/MD
 Sample : VY0526SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0526SBS01

Quant Time: May 26 16:55:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	262171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	399484	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	360982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	188017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	150624	49.661	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.320%		
35) Dibromofluoromethane	7.716	113	123892	48.022	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.040%		
50) Toluene-d8	10.179	98	454467	46.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.700%		
62) 4-Bromofluorobenzene	12.477	95	158947	48.767	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	37116	15.456	ug/l	97
3) Chloromethane	2.113	50	45050	15.398	ug/l	96
4) Vinyl Chloride	2.247	62	46598	15.575	ug/l	98
5) Bromomethane	2.650	94	43690	18.376	ug/l	96
6) Chloroethane	2.790	64	35400	18.158	ug/l	97
7) Trichlorofluoromethane	3.125	101	87256	17.329	ug/l	98
8) Diethyl Ether	3.522	74	30237	19.578	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	48990	17.947	ug/l	98
10) Methyl Iodide	4.088	142	42961	13.257	ug/l	97
11) Tert butyl alcohol	4.979	59	30407	130.866	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	42636	16.626	ug/l	96
13) Acrolein	3.729	56	37748	108.004	ug/l	97
14) Allyl chloride	4.473	41	80069	17.102	ug/l	99
15) Acrylonitrile	5.161	53	90985	114.896	ug/l	99
16) Acetone	3.954	43	101555	112.813	ug/l	98
17) Carbon Disulfide	4.192	76	110167	14.392	ug/l	99
18) Methyl Acetate	4.479	43	71040	22.747	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	140149	20.026	ug/l	97
20) Methylene Chloride	4.716	84	79428	23.540	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	47994	17.216	ug/l	90
22) Diisopropyl ether	6.112	45	165214	18.277	ug/l	95
23) Vinyl Acetate	6.058	43	498892	94.757	ug/l	100
24) 1,1-Dichloroethane	6.015	63	92008	17.435	ug/l	99
25) 2-Butanone	6.984	43	129268	117.680	ug/l	95
26) 2,2-Dichloropropane	6.972	77	83931	17.657	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	55322	17.666	ug/l	99
28) Bromochloromethane	7.338	49	30183	19.486	ug/l	97
29) Tetrahydrofuran	7.344	42	75905	115.738	ug/l	98
30) Chloroform	7.503	83	99108	18.524	ug/l	98
31) Cyclohexane	7.783	56	74061	15.893	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	89191	18.273	ug/l	99
36) 1,1-Dichloropropene	7.917	75	67284	17.123	ug/l	99
37) Ethyl Acetate	7.076	43	52400	21.861	ug/l	99
38) Carbon Tetrachloride	7.899	117	81637	18.268	ug/l	97
39) Methylcyclohexane	9.179	83	72562	15.768	ug/l	93
40) Benzene	8.161	78	199388	17.666	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	30278m	23.152	ug/l	
42) 1,2-Dichloroethane	8.234	62	72191	19.536	ug/l	99
43) Isopropyl Acetate	8.271	43	92250	21.120	ug/l	98
44) Trichloroethene	8.935	130	52560	17.286	ug/l	94
45) 1,2-Dichloropropane	9.216	63	52724	18.236	ug/l	99
46) Dibromomethane	9.301	93	32761	19.785	ug/l	99
47) Bromodichloromethane	9.496	83	76178	18.878	ug/l #	95
48) Methyl methacrylate	9.295	41	41458	20.213	ug/l	91
49) 1,4-Dioxane	9.319	88	9615	494.079	ug/l #	100
51) 4-Methyl-2-Pentanone	10.069	43	270763	116.320	ug/l	98
52) Toluene	10.240	92	122708	17.832	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	78021	18.994	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	84751	18.417	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	45339	20.352	ug/l	99
56) Ethyl methacrylate	10.508	69	60694	20.410	ug/l	98
57) 1,3-Dichloropropane	10.788	76	74145	19.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	106554	112.299	ug/l	99
59) 2-Hexanone	10.831	43	201361	121.613	ug/l	99
60) Dibromochloromethane	10.984	129	57483	20.399	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43564	20.557	ug/l	100
64) Tetrachloroethene	10.721	164	47575	17.812	ug/l	96
65) Chlorobenzene	11.514	112	137432	18.165	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	56219	19.253	ug/l	98
67) Ethyl Benzene	11.593	91	239289	17.575	ug/l	100
68) m/p-Xylenes	11.703	106	183304	35.576	ug/l	99
69) o-Xylene	12.026	106	86952	17.915	ug/l	98
70) Styrene	12.044	104	152013	18.490	ug/l	99
71) Bromoform	12.203	173	40536	21.240	ug/l #	97
73) Isopropylbenzene	12.331	105	233119	16.659	ug/l	100
74) N-amyl acetate	12.142	43	81103	19.277	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	59332	20.481	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	44744m	20.182	ug/l	
77) Bromobenzene	12.605	156	60715	17.682	ug/l	99
78) n-propylbenzene	12.672	91	286666	16.582	ug/l	99
79) 2-Chlorotoluene	12.758	91	164181	17.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	198560	17.189	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20544	20.115	ug/l	97
82) 4-Chlorotoluene	12.855	91	172480	17.281	ug/l	99
83) tert-Butylbenzene	13.075	119	173552	17.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	197716	17.437	ug/l	99
85) sec-Butylbenzene	13.251	105	257733	17.246	ug/l	99
86) p-Isopropyltoluene	13.367	119	213061	17.249	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	117812	17.764	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	119768	18.140	ug/l	98
89) n-Butylbenzene	13.697	91	200623	16.937	ug/l	99
90) Hexachloroethane	13.959	117	42992	16.952	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	107394	18.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11118	21.906	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	67368	18.438	ug/l	98
94) Hexachlorobutadiene	15.111	225	41312	17.932	ug/l	99
95) Naphthalene	15.233	128	134964	19.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	60836	18.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

