

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013402.D
 Acq On : 24 Apr 2023 15:52
 Operator : KP/MD
 Sample : VY0424SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS01

Quant Time: Apr 25 03:11:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	221734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	346108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	305148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119434	49.136	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.280%		
35) Dibromofluoromethane	7.716	113	106206	48.789	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.580%		
50) Toluene-d8	10.179	98	374271	48.331	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.660%		
62) 4-Bromofluorobenzene	12.483	95	129109	49.454	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41347	19.614	ug/l	98
3) Chloromethane	2.113	50	60581	21.440	ug/l	97
4) Vinyl Chloride	2.247	62	59334	21.090	ug/l	100
5) Bromomethane	2.650	94	51017	22.755	ug/l	98
6) Chloroethane	2.790	64	44854	23.078	ug/l	97
7) Trichlorofluoromethane	3.119	101	84901	19.920	ug/l	99
8) Diethyl Ether	3.527	74	29865	20.577	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	48111	20.124	ug/l	95
10) Methyl Iodide	4.082	142	54510	18.154	ug/l	100
11) Tert butyl alcohol	4.978	59	29278m	107.312	ug/l	
12) 1,1-Dichloroethene	3.869	96	45586	19.782	ug/l	89
13) Acrolein	3.729	56	26919	122.223	ug/l	91
14) Allyl chloride	4.472	41	87846	20.544	ug/l	95
15) Acrylonitrile	5.161	53	84930	104.487	ug/l	98
16) Acetone	3.954	43	96036	100.327	ug/l	93
17) Carbon Disulfide	4.192	76	151250	20.205	ug/l	99
18) Methyl Acetate	4.472	43	66425	21.010	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	134828	20.266	ug/l	98
20) Methylene Chloride	4.710	84	62681	15.286	ug/l #	86
21) trans-1,2-Dichloroethene	5.210	96	51844	20.576	ug/l	97
22) Diisopropyl ether	6.118	45	176512	21.120	ug/l	95
23) Vinyl Acetate	6.057	43	488160m	103.161	ug/l	
24) 1,1-Dichloroethane	6.015	63	93922	20.164	ug/l	98
25) 2-Butanone	6.984	43	128076	105.501	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	80224	19.987	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	54333	19.517	ug/l	93
28) Bromochloromethane	7.325	49	35696	21.596	ug/l	82
29) Tetrahydrofuran	7.344	42	81213	107.471	ug/l	92
30) Chloroform	7.502	83	94487	20.402	ug/l	100
31) Cyclohexane	7.783	56	88107	20.245	ug/l	89
32) 1,1,1-Trichloroethane	7.703	97	83338	20.166	ug/l	96
36) 1,1-Dichloropropene	7.911	75	71760	19.863	ug/l	98
37) Ethyl Acetate	7.069	43	56529	20.792	ug/l	96
38) Carbon Tetrachloride	7.899	117	75515	19.942	ug/l	94
39) Methylcyclohexane	9.179	83	84416	19.820	ug/l	94
40) Benzene	8.155	78	205070	20.151	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26585	20.984	ug/l	98
42) 1,2-Dichloroethane	8.234	62	68735	20.659	ug/l	99
43) Isopropyl Acetate	8.270	43	95227	20.751	ug/l	97
44) Trichloroethene	8.935	130	52759	19.490	ug/l	94
45) 1,2-Dichloropropane	9.215	63	54031	20.306	ug/l	99
46) Dibromomethane	9.301	93	32360	20.325	ug/l	95
47) Bromodichloromethane	9.496	83	73266	20.566	ug/l	96
48) Methyl methacrylate	9.295	41	44445	21.088	ug/l	92
49) 1,4-Dioxane	9.319	88	9946	437.406	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	277669	108.584	ug/l	96
52) Toluene	10.240	92	127807	20.869	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	75976	20.151	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	86230	20.325	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	43421	20.594	ug/l	94
56) Ethyl methacrylate	10.508	69	60175	20.572	ug/l	88
57) 1,3-Dichloropropane	10.788	76	75193	21.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	125345	114.275	ug/l	93
59) 2-Hexanone	10.831	43	206914	111.312	ug/l	96
60) Dibromochloromethane	10.983	129	52962	20.687	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43323	20.900	ug/l	99
64) Tetrachloroethene	10.721	164	46724	20.136	ug/l	98
65) Chlorobenzene	11.514	112	133191	20.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	49440	19.887	ug/l	98
67) Ethyl Benzene	11.593	91	235009	20.133	ug/l	100
68) m/p-Xylenes	11.703	106	182232	41.067	ug/l	100
69) o-Xylene	12.026	106	85188	20.299	ug/l	100
70) Styrene	12.044	104	142800	20.351	ug/l	99
71) Bromoform	12.209	173	35677	20.488	ug/l #	98
73) Isopropylbenzene	12.331	105	223160	19.392	ug/l	97
74) N-amyl acetate	12.142	43	84033	20.520	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	57248	20.352	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	33890m	16.516	ug/l	
77) Bromobenzene	12.611	156	53695	19.256	ug/l	87
78) n-propylbenzene	12.672	91	279178	19.695	ug/l	97
79) 2-Chlorotoluene	12.757	91	153874	19.439	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	185580	19.758	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	20020	19.958	ug/l	92
82) 4-Chlorotoluene	12.855	91	163275	19.790	ug/l	98
83) tert-Butylbenzene	13.074	119	158611	19.491	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	181524	19.878	ug/l	98
85) sec-Butylbenzene	13.251	105	240127	19.661	ug/l	99
86) p-Isopropyltoluene	13.367	119	195302	19.885	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	107446	20.225	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	108340	20.188	ug/l	98
89) n-Butylbenzene	13.696	91	189245	19.742	ug/l	98
90) Hexachloroethane	13.958	117	40342	19.516	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	98247	20.480	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9673	19.471	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	58550	20.471	ug/l	97
94) Hexachlorobutadiene	15.111	225	34210	20.552	ug/l	100
95) Naphthalene	15.239	128	126777	20.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	53010	20.794	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

