

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013403.D
 Acq On : 24 Apr 2023 16:15
 Operator : KP/MD
 Sample : VY0424SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 03:13:03 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	223568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	350110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123016	50.194	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.380%			
35) Dibromofluoromethane	7.716	113	108537	49.289	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.580%			
50) Toluene-d8	10.179	98	388182	49.554	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.477	95	131912	49.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42515	20.003	ug/l	99
3) Chloromethane	2.113	50	61876	21.719	ug/l	98
4) Vinyl Chloride	2.247	62	60358	21.277	ug/l	98
5) Bromomethane	2.650	94	50490	22.335	ug/l	96
6) Chloroethane	2.790	64	45437	23.186	ug/l	99
7) Trichlorofluoromethane	3.125	101	87838	20.440	ug/l	97
8) Diethyl Ether	3.521	74	29878	20.417	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	49429	20.506	ug/l	95
10) Methyl Iodide	4.088	142	57117	18.866	ug/l	99
11) Tert butyl alcohol	4.997	59	35537m	129.053	ug/l	
12) 1,1-Dichloroethene	3.869	96	47483	20.436	ug/l	93
13) Acrolein	3.729	56	29993	136.028	ug/l	91
14) Allyl chloride	4.473	41	90284	20.941	ug/l	96
15) Acrylonitrile	5.155	53	92086	112.362	ug/l	99
16) Acetone	3.954	43	101523	105.189	ug/l	90
17) Carbon Disulfide	4.192	76	151748	20.106	ug/l	97
18) Methyl Acetate	4.479	43	72603	22.776	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	137982	20.570	ug/l	98
20) Methylene Chloride	4.710	84	68739	17.472	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	52644	20.722	ug/l	94
22) Diisopropyl ether	6.112	45	177819	21.102	ug/l	90
23) Vinyl Acetate	6.058	43	524088m	109.845	ug/l	
24) 1,1-Dichloroethane	6.015	63	96008	20.443	ug/l	99
25) 2-Butanone	6.984	43	137886	112.650	ug/l	93
26) 2,2-Dichloropropane	6.984	77	80503	19.892	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	57175	20.369	ug/l	95
28) Bromochloromethane	7.332	49	36301	21.781	ug/l #	81
29) Tetrahydrofuran	7.350	42	90459	118.724	ug/l	90
30) Chloroform	7.502	83	95246	20.398	ug/l	96
31) Cyclohexane	7.783	56	89045	20.293	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	85367	20.487	ug/l	97
36) 1,1-Dichloropropene	7.911	75	72658	19.881	ug/l	97
37) Ethyl Acetate	7.076	43	61819	22.478	ug/l	96
38) Carbon Tetrachloride	7.899	117	76047	19.853	ug/l	98
39) Methylcyclohexane	9.179	83	84929	19.713	ug/l	94
40) Benzene	8.155	78	208290	20.233	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23958m	18.694	ug/l	
42) 1,2-Dichloroethane	8.234	62	71024	21.103	ug/l	99
43) Isopropyl Acetate	8.271	43	102141	22.003	ug/l	94
44) Trichloroethene	8.935	130	54720	19.983	ug/l	96
45) 1,2-Dichloropropane	9.209	63	55148	20.489	ug/l	97
46) Dibromomethane	9.301	93	33238	20.638	ug/l	94
47) Bromodichloromethane	9.496	83	73518	20.401	ug/l	99
48) Methyl methacrylate	9.289	41	47366	22.217	ug/l	91
49) 1,4-Dioxane	9.307	88	11047	480.272	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	299621	115.829	ug/l	94
52) Toluene	10.240	92	125889	20.321	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	78645	20.620	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	85889	20.013	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	44458	20.845	ug/l	96
56) Ethyl methacrylate	10.508	69	63815	21.567	ug/l	89
57) 1,3-Dichloropropane	10.788	76	76670	21.226	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	128508	115.820	ug/l	93
59) 2-Hexanone	10.831	43	221495	117.794	ug/l	96
60) Dibromochloromethane	10.984	129	53665	20.722	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43773	20.875	ug/l	98
64) Tetrachloroethene	10.715	164	46055	19.763	ug/l	96
65) Chlorobenzene	11.514	112	133947	20.065	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	49848	19.965	ug/l	98
67) Ethyl Benzene	11.593	91	234432	19.998	ug/l	99
68) m/p-Xylenes	11.697	106	182709	40.999	ug/l	99
69) o-Xylene	12.026	106	84658	20.087	ug/l	99
70) Styrene	12.038	104	144977	20.573	ug/l	99
71) Bromoform	12.209	173	35964	20.565	ug/l	98
73) Isopropylbenzene	12.331	105	224385	19.535	ug/l	99
74) N-amyl acetate	12.142	43	85377	20.888	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	59961	21.357	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	49595m	24.216	ug/l	
77) Bromobenzene	12.605	156	54989	19.758	ug/l	91
78) n-propylbenzene	12.666	91	285884	20.207	ug/l	97
79) 2-Chlorotoluene	12.752	91	157591	19.947	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	186853	19.931	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	20971	20.946	ug/l	94
82) 4-Chlorotoluene	12.849	91	163082	19.804	ug/l	97
83) tert-Butylbenzene	13.075	119	162735	20.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	185766	20.381	ug/l	100
85) sec-Butylbenzene	13.251	105	244521	20.059	ug/l	97
86) p-Isopropyltoluene	13.367	119	199774	20.379	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	105315	19.862	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	104458	19.502	ug/l	97
89) n-Butylbenzene	13.696	91	191318	19.996	ug/l	97
90) Hexachloroethane	13.959	117	40270	19.519	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	94827	19.804	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10230	20.632	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	55082	19.295	ug/l	100
94) Hexachlorobutadiene	15.105	225	32729	19.700	ug/l	96
95) Naphthalene	15.233	128	122708	19.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50938	20.020	ug/l	100

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

