

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013286.D
 Acq On : 13 Apr 2023 11:20
 Operator : KP/MD
 Sample : VY0413SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 02:58:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	241135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	384785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	347408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154036	53.155	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.300%			
35) Dibromofluoromethane	7.716	113	129859	52.130	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.260%			
50) Toluene-d8	10.179	98	483322	52.126	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.477	95	160946	53.423	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.840%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	40609	18.712	ug/l	100
3) Chloromethane	2.107	50	52720	19.390	ug/l	100
4) Vinyl Chloride	2.247	62	49294	19.122	ug/l	97
5) Bromomethane	2.643	94	39766	20.116	ug/l	93
6) Chloroethane	2.790	64	34258	19.706	ug/l	99
7) Trichlorofluoromethane	3.119	101	78601	19.590	ug/l	100
8) Diethyl Ether	3.521	74	31412	21.549	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	48076	20.391	ug/l	98
10) Methyl Iodide	4.082	142	58911	20.370	ug/l	98
11) Tert butyl alcohol	4.972	59	45310m	102.208	ug/l	
12) 1,1-Dichloroethene	3.869	96	45141	19.894	ug/l	95
13) Acrolein	3.728	56	41250	115.875	ug/l	100
14) Allyl chloride	4.472	41	89568	20.664	ug/l	96
15) Acrylonitrile	5.161	53	96645	115.376	ug/l	99
16) Acetone	3.948	43	101181	101.549	ug/l	98
17) Carbon Disulfide	4.186	76	153732	20.579	ug/l	100
18) Methyl Acetate	4.472	43	72054	22.360	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	146666	21.578	ug/l	95
20) Methylene Chloride	4.704	84	65885	22.702	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	52311	20.196	ug/l	96
22) Diisopropyl ether	6.112	45	191129	22.374	ug/l	98
23) Vinyl Acetate	6.051	43	606799	112.368	ug/l	96
24) 1,1-Dichloroethane	6.009	63	102672	21.517	ug/l	95
25) 2-Butanone	6.984	43	142958	112.057	ug/l	94
26) 2,2-Dichloropropane	6.978	77	88556	20.686	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	60484	21.475	ug/l	95
28) Bromochloromethane	7.331	49	42645	22.424	ug/l	96
29) Tetrahydrofuran	7.344	42	91289	117.817	ug/l	99
30) Chloroform	7.502	83	102549	21.237	ug/l	97
31) Cyclohexane	7.783	56	88163	20.121	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	87376	20.002	ug/l	98
36) 1,1-Dichloropropene	7.911	75	74764	19.811	ug/l	100
37) Ethyl Acetate	7.069	43	67249	22.107	ug/l	97
38) Carbon Tetrachloride	7.892	117	80452	19.280	ug/l	98
39) Methylcyclohexane	9.179	83	83498	19.033	ug/l	95
40) Benzene	8.155	78	220961	20.230	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	32380	25.657	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	76742	20.723	ug/l	98
43) Isopropyl Acetate	8.270	43	107878	21.350	ug/l	97
44) Trichloroethene	8.935	130	56988	20.254	ug/l	99
45) 1,2-Dichloropropane	9.209	63	59041	20.826	ug/l	99
46) Dibromomethane	9.301	93	36534	21.412	ug/l	97
47) Bromodichloromethane	9.490	83	80814	20.719	ug/l	99
48) Methyl methacrylate	9.288	41	50186	21.623	ug/l	95
49) 1,4-Dioxane	9.313	88	11046	477.832	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	317520	115.468	ug/l	96
52) Toluene	10.240	92	137735	20.883	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	87018	21.303	ug/l	93
54) cis-1,3-Dichloropropene	9.922	75	93842	20.952	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	49171	21.857	ug/l	98
56) Ethyl methacrylate	10.508	69	67634	21.957	ug/l	95
57) 1,3-Dichloropropane	10.788	76	81806	21.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	150636	117.119	ug/l	96
59) 2-Hexanone	10.831	43	231629	115.846	ug/l	96
60) Dibromochloromethane	10.977	129	59494	21.091	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47537	21.700	ug/l	98
64) Tetrachloroethene	10.715	164	48637	19.844	ug/l	94
65) Chlorobenzene	11.514	112	148799	20.475	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	56062	20.556	ug/l	97
67) Ethyl Benzene	11.587	91	256080	20.232	ug/l	100
68) m/p-Xylenes	11.697	106	197092	40.697	ug/l	98
69) o-Xylene	12.026	106	94292	21.023	ug/l	97
70) Styrene	12.038	104	160667	21.209	ug/l	98
71) Bromoform	12.203	173	41057	21.730	ug/l #	99
73) Isopropylbenzene	12.325	105	239634	19.918	ug/l	99
74) N-amyl acetate	12.142	43	92149	21.469	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	64530	21.712	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	45862m	20.984	ug/l	
77) Bromobenzene	12.605	156	62702	20.841	ug/l	99
78) n-propylbenzene	12.666	91	301290	20.277	ug/l	99
79) 2-Chlorotoluene	12.751	91	172097	20.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	202804	20.125	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	22663	21.522	ug/l	93
82) 4-Chlorotoluene	12.849	91	179279	20.332	ug/l	98
83) tert-Butylbenzene	13.074	119	174089	20.133	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	204150	20.815	ug/l	98
85) sec-Butylbenzene	13.251	105	261943	20.257	ug/l	99
86) p-Isopropyltoluene	13.367	119	216704	20.422	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	120345	20.751	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	121567	20.743	ug/l	97
89) n-Butylbenzene	13.696	91	202941	19.996	ug/l	98
90) Hexachloroethane	13.958	117	44278	20.013	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	109309	20.713	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11877	22.006	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	64015	20.409	ug/l	99
94) Hexachlorobutadiene	15.111	225	35136	18.918	ug/l	96
95) Naphthalene	15.233	128	141946	20.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58282	20.396	ug/l	99

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

