

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013241.D
 Acq On : 11 Apr 2023 14:40
 Operator : KP/MD
 Sample : VY0411SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 12 15:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 15:18:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	93468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	146168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	130790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50092	47.657	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.320%		
35) Dibromofluoromethane	7.716	113	42979	49.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.380%		
50) Toluene-d8	10.179	98	156554	51.178	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.360%		
62) 4-Bromofluorobenzene	12.483	95	53945	49.384	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16059	24.594	ug/l	95
3) Chloromethane	2.113	50	23156	30.482	ug/l	98
4) Vinyl Chloride	2.253	62	20214	25.247	ug/l	97
5) Bromomethane	2.656	94	16959	29.852	ug/l	88
6) Chloroethane	2.796	64	14647	25.017	ug/l	96
7) Trichlorofluoromethane	3.125	101	32231	24.864	ug/l	99
8) Diethyl Ether	3.527	74	11945	24.279	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	18702	23.659	ug/l	98
10) Methyl Iodide	4.088	142	22967	24.107	ug/l	94
11) Tert butyl alcohol	4.930	59	17400	95.573	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	18137	26.337	ug/l	97
13) Acrolein	3.729	56	15107	146.292	ug/l	96
14) Allyl chloride	4.478	41	35722	24.413	ug/l	93
15) Acrylonitrile	5.167	53	33601	99.347	ug/l	99
16) Acetone	3.948	43	37891	88.586	ug/l	98
17) Carbon Disulfide	4.192	76	59860	39.455	ug/l	100
18) Methyl Acetate	4.478	43	25670	20.213	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	55583	21.192	ug/l	98
20) Methylene Chloride	4.716	84	38906	36.074	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	20649	25.561	ug/l	99
22) Diisopropyl ether	6.112	45	72497	22.372	ug/l	90
23) Vinyl Acetate	6.057	43	226247	111.216	ug/l	96
24) 1,1-Dichloroethane	6.015	63	38257	22.871	ug/l	97
25) 2-Butanone	6.990	43	50088	90.606	ug/l	94
26) 2,2-Dichloropropane	6.978	77	34376	21.765	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	22655	23.244	ug/l	93
28) Bromochloromethane	7.338	49	16037	20.308	ug/l	92
29) Tetrahydrofuran	7.350	42	32515	100.862	ug/l	94
30) Chloroform	7.502	83	39142	22.425	ug/l	96
31) Cyclohexane	7.789	56	35274	26.397	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	34673	22.672	ug/l	97
36) 1,1-Dichloropropene	7.917	75	29940	24.916	ug/l	98
37) Ethyl Acetate	7.076	43	24057	21.628	ug/l #	94
38) Carbon Tetrachloride	7.899	117	32409	23.164	ug/l	98
39) Methylcyclohexane	9.185	83	34295	27.159	ug/l	99
40) Benzene	8.161	78	86952	24.564	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8970	16.045	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	29319	22.546	ug/l	97
43) Isopropyl Acetate	8.270	43	39692	20.428	ug/l	97
44) Trichloroethene	8.941	130	22414	24.261	ug/l	99
45) 1,2-Dichloropropane	9.215	63	22713	23.562	ug/l	94
46) Dibromomethane	9.301	93	13282	22.637	ug/l	99
47) Bromodichloromethane	9.496	83	30276	21.370	ug/l	98
48) Methyl methacrylate	9.295	41	18536	21.725	ug/l	93
49) 1,4-Dioxane	9.313	88	3463	414.932	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	111056	100.790	ug/l	95
52) Toluene	10.246	92	53631	24.162	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	32761	22.068	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	35896	22.547	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	17842	21.501	ug/l	95
56) Ethyl methacrylate	10.508	69	24843	21.427	ug/l	93
57) 1,3-Dichloropropane	10.788	76	30356	21.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	53982	102.654	ug/l	96
59) 2-Hexanone	10.831	43	80616	99.210	ug/l	94
60) Dibromochloromethane	10.983	129	22203	21.502	ug/l	98
61) 1,2-Dibromoethane	11.087	107	17436	22.012	ug/l	99
64) Tetrachloroethene	10.721	164	19275	23.870	ug/l	96
65) Chlorobenzene	11.514	112	57749	23.169	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	21715	21.905	ug/l	99
67) Ethyl Benzene	11.593	91	102363	23.660	ug/l	98
68) m/p-Xylenes	11.703	106	78760	47.842	ug/l	97
69) o-Xylene	12.032	106	36112	23.078	ug/l	98
70) Styrene	12.044	104	62330	23.358	ug/l	98
71) Bromoform	12.209	173	14759	20.747	ug/l #	98
73) Isopropylbenzene	12.331	105	96355	23.211	ug/l	100
74) N-amyl acetate	12.142	43	34068	21.454	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	23494	21.172	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	14725m	18.293	ug/l	
77) Bromobenzene	12.611	156	23964	22.688	ug/l	99
78) n-propylbenzene	12.672	91	122336	23.940	ug/l	98
79) 2-Chlorotoluene	12.757	91	67639	23.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	82356	23.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8226	21.074	ug/l	93
82) 4-Chlorotoluene	12.855	91	72205	23.764	ug/l	100
83) tert-Butylbenzene	13.074	119	69962	22.793	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	81331	23.824	ug/l	99
85) sec-Butylbenzene	13.251	105	107229	23.770	ug/l	99
86) p-Isopropyltoluene	13.373	119	88177	23.319	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	48169	23.289	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	47533	22.537	ug/l	98
89) n-Butylbenzene	13.696	91	83864	23.661	ug/l	97
90) Hexachloroethane	13.958	117	18009	22.464	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	41926	22.000	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4072	19.256	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	25730	21.882	ug/l	97
94) Hexachlorobutadiene	15.111	225	15179	21.861	ug/l	98
95) Naphthalene	15.239	128	53147	20.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	22911	20.874	ug/l	98

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

