

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017826.D
 Acq On : 03 Apr 2024 10:54
 Operator : SY/MD
 Sample : VY0403SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/04/2024
 Supervised By :Semsettin Yesilyurt 04/04/2024

Quant Time: Apr 04 01:08:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	243940	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.710	114	380974	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	324984	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	143910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	88267	41.815	ug/l	0.02
Spiked Amount 50.000	Range 50	- 163	Recovery	=	83.620%	
35) Dibromofluoromethane	7.740	113	96273	43.732	ug/l	0.02
Spiked Amount 50.000	Range 54	- 147	Recovery	=	87.460%	
50) Toluene-d8	10.197	98	364189	44.287	ug/l	0.01
Spiked Amount 50.000	Range 58	- 134	Recovery	=	88.580%	
62) 4-Bromofluorobenzene	12.495	95	105715	42.253	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	84.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	32530	19.940	ug/l	97
3) Chloromethane	2.119	50	61215	19.226	ug/l	99
4) Vinyl Chloride	2.260	62	75269	18.088	ug/l	98
5) Bromomethane	2.662	94	63546	18.887	ug/l	100
6) Chloroethane	2.808	64	50899	18.748	ug/l	99
7) Trichlorofluoromethane	3.137	101	76127	18.760	ug/l	89
8) Diethyl Ether	3.546	74	21574	18.099	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	48425	19.899	ug/l	99
10) Methyl Iodide	4.113	142	49381	18.659	ug/l	99
11) Tert butyl alcohol	4.985	59	15199	77.662	ug/l #	88
12) 1,1-Dichloroethene	3.893	96	43472	19.090	ug/l	96
13) Acrolein	3.747	56	14473	97.863	ug/l	98
14) Allyl chloride	4.503	41	52937	18.948	ug/l	99
15) Acrylonitrile	5.192	53	45250	89.931	ug/l	99
16) Acetone	3.973	43	35682	81.776	ug/l	90
17) Carbon Disulfide	4.216	76	102353	15.882	ug/l	97
18) Methyl Acetate	4.503	43	18197	18.828	ug/l	99
19) Methyl tert-butyl Ether	5.247	73	97021	18.607	ug/l	97
20) Methylene Chloride	4.735	84	57673	19.975	ug/l	97
21) trans-1,2-Dichloroethene	5.247	96	45236	18.563	ug/l	94
22) Diisopropyl ether	6.143	45	130866	20.266	ug/l	98
23) Vinyl Acetate	6.088	43	360457	91.427	ug/l	98
24) 1,1-Dichloroethane	6.045	63	86673	20.223	ug/l	96
25) 2-Butanone	7.015	43	52771	84.896	ug/l	97
26) 2,2-Dichloropropane	7.009	77	73630	19.890	ug/l	99
27) cis-1,2-Dichloroethene	7.009	96	57330	19.906	ug/l	97
28) Bromochloromethane	7.362	49	33408	19.168	ug/l	93
29) Tetrahydrofuran	7.374	42	31496	84.445	ug/l	98
30) Chloroform	7.533	83	90841	20.428	ug/l	97
31) Cyclohexane	7.807	56	66419	17.861	ug/l	96
32) 1,1,1-Trichloroethane	7.722	97	75595	19.973	ug/l	95
36) 1,1-Dichloropropene	7.941	75	62361	19.415	ug/l	97
37) Ethyl Acetate	7.100	43	24826	17.910	ug/l	98
38) Carbon Tetrachloride	7.917	117	66367	19.903	ug/l	97
39) Methylcyclohexane	9.203	83	71645	17.857	ug/l	97
40) Benzene	8.179	78	195538	19.753	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	11745	16.836	ug/l	95
42) 1,2-Dichloroethane	8.258	62	47110	19.336	ug/l	98
43) Isopropyl Acetate	8.295	43	45129	17.940	ug/l	98
44) Trichloroethene	8.960	130	51605	20.037	ug/l	100
45) 1,2-Dichloropropane	9.234	63	46191	20.081	ug/l	100
46) Dibromomethane	9.325	93	25357	19.404	ug/l	99
47) Bromodichloromethane	9.514	83	67318	20.387	ug/l	98
48) Methyl methacrylate	9.313	41	19126	19.828	ug/l	97
49) 1,4-Dioxane	9.331	88	5111	348.386	ug/l #	92
51) 4-Methyl-2-Pentanone	10.087	43	120053	104.284	ug/l	98
52) Toluene	10.258	92	120597	20.085	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	56277	19.195	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	69926	19.542	ug/l	99
55) 1,1,2-Trichloroethane	10.660	97	34120	19.594	ug/l	96
56) Ethyl methacrylate	10.526	69	39997	20.850	ug/l	94
57) 1,3-Dichloropropane	10.807	76	57423	19.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	94705	94.606	ug/l	98
59) 2-Hexanone	10.849	43	79959	100.359	ug/l	98
60) Dibromochloromethane	10.996	129	43297	19.714	ug/l	99
61) 1,2-Dibromoethane	11.105	107	31098	19.585	ug/l	98
64) Tetrachloroethene	10.734	164	58463	20.625	ug/l	97
65) Chlorobenzene	11.532	112	133117	19.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	44858	19.817	ug/l	99
67) Ethyl Benzene	11.605	91	223857	19.533	ug/l	99
68) m/p-Xylenes	11.715	106	171779	39.524	ug/l	97
69) o-Xylene	12.044	106	79438	23.575	ug/l	98
70) Styrene	12.057	104	134418	23.379	ug/l	100
71) Bromoform	12.221	173	24131	19.232	ug/l #	97
73) Isopropylbenzene	12.343	105	210161	20.839	ug/l	99
74) N-amyl acetate	12.154	43	36701	21.353	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	34645	19.859	ug/l	100
76) 1,2,3-Trichloropropane	12.648	75	26905m	20.516	ug/l	
77) Bromobenzene	12.623	156	48770	20.304	ug/l	99
78) n-propylbenzene	12.684	91	257488	20.924	ug/l	100
79) 2-Chlorotoluene	12.770	91	140864	20.898	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	160673	20.414	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	11220	21.845	ug/l	96
82) 4-Chlorotoluene	12.867	91	142519	20.419	ug/l	97
83) tert-Butylbenzene	13.087	119	148050	20.690	ug/l	100
84) 1,2,4-Trimethylbenzene	13.136	105	159430	20.338	ug/l	100
85) sec-Butylbenzene	13.264	105	224808	20.931	ug/l	99
86) p-Isopropyltoluene	13.386	119	181443	20.211	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	94547	19.837	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	93947	20.594	ug/l	99
89) n-Butylbenzene	13.709	91	168848	20.443	ug/l	98
90) Hexachloroethane	13.971	117	37242	20.862	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	79466	20.114	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	4459	18.914	ug/l	91
93) 1,2,4-Trichlorobenzene	15.019	180	42463	19.623	ug/l	99
94) Hexachlorobutadiene	15.123	225	26244	20.006	ug/l	97
95) Naphthalene	15.251	128	63356	20.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	34424	18.833	ug/l	97

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

