

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018808.D
 Acq On : 12 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024

Quant Time: Jul 12 23:45:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	108796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	171520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	150214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57602	53.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.600%			
35) Dibromofluoromethane	7.710	113	58912	54.839	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.680%			
50) Toluene-d8	10.173	98	215469	52.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.477	95	72864	52.424	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	43509	47.726	ug/l	98
3) Chloromethane	2.107	50	63110	45.556	ug/l	97
4) Vinyl Chloride	2.241	62	79899	49.303	ug/l	97
5) Bromomethane	2.637	94	52392	47.000	ug/l	99
6) Chloroethane	2.784	64	52618	49.977	ug/l	96
7) Trichlorofluoromethane	3.113	101	102217	48.269	ug/l	98
8) Diethyl Ether	3.515	74	26667	51.666	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.881	101	54941	50.566	ug/l	96
10) Methyl Iodide	4.070	142	63262	54.070	ug/l	94
11) Tert butyl alcohol	4.942	59	16721	154.182	ug/l #	78
12) 1,1-Dichloroethene	3.851	96	51163	48.675	ug/l	90
13) Acrolein	3.710	56	18841	216.841	ug/l	100
14) Allyl chloride	4.460	41	63574	48.821	ug/l	89
15) Acrylonitrile	5.149	53	52079	255.769	ug/l	98
16) Acetone	3.936	43	39905	202.180	ug/l #	86
17) Carbon Disulfide	4.174	76	136747	46.462	ug/l	99
18) Methyl Acetate	4.466	43	30212	52.681	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	125657	51.534	ug/l	96
20) Methylene Chloride	4.692	84	61965	56.035	ug/l	98
21) trans-1,2-Dichloroethene	5.198	96	55040	49.614	ug/l	97
22) Diisopropyl ether	6.106	45	141334	49.896	ug/l	91
23) Vinyl Acetate	6.045	43	555008	248.706	ug/l	99
24) 1,1-Dichloroethane	6.003	63	89042	49.235	ug/l	98
25) 2-Butanone	6.972	43	64063	231.556	ug/l	98
26) 2,2-Dichloropropane	6.966	77	72487	43.197	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	65446	50.671	ug/l	99
28) Bromochloromethane	7.326	49	34941	48.103	ug/l	95
29) Tetrahydrofuran	7.338	42	43247	254.977	ug/l	95
30) Chloroform	7.496	83	101855	50.534	ug/l	96
31) Cyclohexane	7.771	56	76961	46.792	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	93968	50.135	ug/l	98
36) 1,1-Dichloropropene	7.911	75	70651	47.656	ug/l	100
37) Ethyl Acetate	7.063	43	29623	48.072	ug/l #	96
38) Carbon Tetrachloride	7.893	117	86485	48.435	ug/l	99
39) Methylcyclohexane	9.179	83	93578	49.255	ug/l	98
40) Benzene	8.155	78	212893	49.502	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.289	41	17588m	50.062	ug/l	
42) 1,2-Dichloroethane	8.228	62	61054	50.705	ug/l	97
43) Isopropyl Acetate	8.264	43	60519	49.356	ug/l #	82
44) Trichloroethene	8.935	130	62506	50.846	ug/l	88
45) 1,2-Dichloropropane	9.209	63	47142	50.338	ug/l	97
46) Dibromomethane	9.301	93	30985	51.043	ug/l	97
47) Bromodichloromethane	9.490	83	76373	50.362	ug/l	96
48) Methyl methacrylate	9.289	41	27270	48.929	ug/l #	87
49) 1,4-Dioxane	9.295	88	7123	1001.006	ug/l #	99
51) 4-Methyl-2-Pentanone	10.063	43	157016	250.810	ug/l	93
52) Toluene	10.240	92	140067	49.001	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	66028	50.428	ug/l	92
54) cis-1,3-Dichloropropene	9.923	75	78199	50.909	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	39199	50.994	ug/l	93
56) Ethyl methacrylate	10.508	69	53506	52.869	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	64686	50.763	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	134232	277.622	ug/l	93
59) 2-Hexanone	10.831	43	107647	245.785	ug/l	93
60) Dibromochloromethane	10.977	129	54626	51.720	ug/l	97
61) 1,2-Dibromoethane	11.087	107	40024	53.557	ug/l	96
64) Tetrachloroethene	10.715	164	62795	51.646	ug/l	97
65) Chlorobenzene	11.514	112	160408	50.621	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	55549	50.880	ug/l	97
67) Ethyl Benzene	11.587	91	271396	48.890	ug/l	94
68) m/p-Xylenes	11.697	106	213287	97.911	ug/l	98
69) o-Xylene	12.026	106	101262	49.445	ug/l	99
70) Styrene	12.038	104	170574	49.917	ug/l	97
71) Bromoform	12.203	173	31160	52.361	ug/l #	100
73) Isopropylbenzene	12.325	105	266977	47.928	ug/l	98
74) N-amyl acetate	12.142	43	54978	48.261	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	41101	46.804	ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	35302m	59.219	ug/l	
77) Bromobenzene	12.605	156	64454	48.468	ug/l	93
78) n-propylbenzene	12.666	91	308998	46.712	ug/l	95
79) 2-Chlorotoluene	12.751	91	176801	47.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	217133	47.640	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	12002	45.060	ug/l #	82
82) 4-Chlorotoluene	12.849	91	179644	46.903	ug/l	99
83) tert-Butylbenzene	13.068	119	203300	48.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	214533	47.367	ug/l	100
85) sec-Butylbenzene	13.251	105	283693	47.498	ug/l	96
86) p-Isopropyltoluene	13.367	119	242173	46.967	ug/l	94
87) 1,3-Dichlorobenzene	13.361	146	126547	48.452	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	122726	47.410	ug/l	98
89) n-Butylbenzene	13.696	91	218136	46.664	ug/l	98
90) Hexachloroethane	13.959	117	46350	48.335	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	110167	48.830	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6698	47.072	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	67585	49.073	ug/l	98
94) Hexachlorobutadiene	15.111	225	38857	48.948	ug/l	98
95) Naphthalene	15.233	128	124447	52.673	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58668	49.787	ug/l	99

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

