

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070722\
 Data File : VY009464.D
 Acq On : 07 Jul 2022 11:29
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 01:30:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 01:24:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	174093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	254139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	9404	6.319	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.640%#		
35) Dibromofluoromethane	7.716	113	8361	5.565	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.120%#		
50) Toluene-d8	10.173	98	31896	6.179	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	12.360%#		
62) 4-Bromofluorobenzene	12.477	95	11420	5.384	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	10.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7169	5.370	ug/l	97
3) Chloromethane	2.107	50	7958	5.338	ug/l #	85
4) Vinyl Chloride	2.247	62	9098	5.360	ug/l	99
5) Bromomethane	2.638	94	6513	5.341	ug/l	92
6) Chloroethane	2.784	64	5184	5.231	ug/l	98
7) Trichlorofluoromethane	3.119	101	12275	5.416	ug/l	93
8) Diethyl Ether	3.522	74	3601	4.153	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.887	101	7595	4.946	ug/l	94
10) Methyl Iodide	4.082	142	8010	4.396	ug/l	92
11) Tert butyl alcohol	4.924	59	8373	31.236	ug/l #	87
12) 1,1-Dichloroethene	3.857	96	6420	4.508	ug/l #	77
13) Acrolein	3.729	56	1535	14.042	ug/l	99
14) Allyl chloride	4.466	41	8135	3.320	ug/l #	86
15) Acrylonitrile	5.161	53	9125	19.127	ug/l	95
16) Acetone	3.948	43	7879	18.604	ug/l	90
17) Carbon Disulfide	4.180	76	15744	3.928	ug/l	97
18) Methyl Acetate	4.473	43	6706	5.393	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	17258	4.004	ug/l #	86
20) Methylene Chloride	4.710	84	16782	7.040	ug/l #	76
21) trans-1,2-Dichloroethene	5.210	96	7052	4.226	ug/l #	76
22) Diisopropyl ether	6.119	45	18457	3.543	ug/l #	83
23) Vinyl Acetate	6.052	43	46585	13.986	ug/l	97
24) 1,1-Dichloroethane	6.003	63	11843	4.031	ug/l	95
25) 2-Butanone	6.978	43	15488	22.607	ug/l	92
26) 2,2-Dichloropropane	6.972	77	14892	5.143	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	8593	4.374	ug/l	97
28) Bromochloromethane	7.326	49	6554	5.308	ug/l	89
29) Tetrahydrofuran	7.338	42	10736	24.228	ug/l	93
30) Chloroform	7.503	83	16757	5.212	ug/l	100
31) Cyclohexane	7.783	56	15250	5.339	ug/l #	67
32) 1,1,1-Trichloroethane	7.692	97	14154	4.993	ug/l	97
36) 1,1-Dichloropropene	7.911	75	12091	4.943	ug/l	97
37) Ethyl Acetate	7.064	43	7273	4.743	ug/l #	90
38) Carbon Tetrachloride	7.893	117	12784	4.887	ug/l	95
39) Methylcyclohexane	9.179	83	13246	4.511	ug/l	89
40) Benzene	8.155	78	34880	4.856	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3671	2.574	ug/l #	44
42) 1,2-Dichloroethane	8.228	62	11127	5.160	ug/l	89
43) Isopropyl Acetate	8.265	43	13432	4.695	ug/l	94
44) Trichloroethene	8.935	130	10002	4.929	ug/l	95
45) 1,2-Dichloropropane	9.210	63	8815	4.849	ug/l	92
46) Dibromomethane	9.295	93	5022	4.707	ug/l	92
47) Bromodichloromethane	9.490	83	12351	4.864	ug/l	98
48) Methyl methacrylate	9.289	41	5374	4.360	ug/l	88
49) 1,4-Dioxane	9.289	88	1381	87.891	ug/l	97
51) 4-Methyl-2-Pentanone	10.063	43	35446	23.559	ug/l	96
52) Toluene	10.240	92	21486	4.694	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	12369	4.622	ug/l	92
54) cis-1,3-Dichloropropene	9.923	75	14062	4.712	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	7313	4.751	ug/l	89
56) Ethyl methacrylate	10.502	69	8054	3.941	ug/l	97
57) 1,3-Dichloropropane	10.789	76	12154	4.790	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.777	63	23629	23.670	ug/l	95
59) 2-Hexanone	10.825	43	23221	22.273	ug/l	98
60) Dibromochloromethane	10.984	129	8763	4.701	ug/l	99
61) 1,2-Dibromoethane	11.087	107	6786	4.599	ug/l	97
64) Tetrachloroethene	10.715	164	11205	5.273	ug/l	94
65) Chlorobenzene	11.514	112	25264	5.062	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	9635	5.132	ug/l	97
67) Ethyl Benzene	11.587	91	43047	4.940	ug/l	98
68) m/p-Xylenes	11.697	106	32676	9.615	ug/l	91
69) o-Xylene	12.026	106	15929	4.890	ug/l	89
70) Styrene	12.044	104	24537	4.510	ug/l	98
71) Bromoform	12.203	173	5561	4.647	ug/l #	97
73) Isopropylbenzene	12.325	105	40648	4.750	ug/l	100
74) N-amyl acetate	12.142	43	10814	4.442	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	7974	4.654	ug/l	98
76) 1,2,3-Trichloropropane	12.624	75	5930m	2.687	ug/l	
77) Bromobenzene	12.605	156	10194	4.893	ug/l	95
78) n-propylbenzene	12.666	91	48754	4.716	ug/l	97
79) 2-Chlorotoluene	12.752	91	27318	4.720	ug/l	92
80) 1,3,5-Trimethylbenzene	12.813	105	33597	4.697	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	3016	4.660	ug/l	85
82) 4-Chlorotoluene	12.849	91	29447	4.855	ug/l	94
83) tert-Butylbenzene	13.069	119	29784	4.680	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	34124	4.793	ug/l	98
85) sec-Butylbenzene	13.251	105	44478	4.746	ug/l	98
86) p-Isopropyltoluene	13.367	119	36847	4.717	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	20634	5.018	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	21456	5.155	ug/l	95
89) n-Butylbenzene	13.690	91	35042	4.804	ug/l	99
90) Hexachloroethane	13.959	117	7610	4.965	ug/l	85
91) 1,2-Dichlorobenzene	13.733	146	19748	5.242	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1264	4.209	ug/l	72
93) 1,2,4-Trichlorobenzene	15.007	180	11447	4.982	ug/l	97
94) Hexachlorobutadiene	15.105	225	6581	5.209	ug/l	97
95) Naphthalene	15.233	128	20537	4.323	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	9786	4.917	ug/l	95

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

