

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007363.D
 Acq On : 02 Feb 2022 18:41
 Operator : SY/MD
 Sample : VY0202SBS02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0202SBS02

Quant Time: Feb 03 04:44:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	89366	55.269	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.540%			
35) Dibromofluoromethane	7.716	113	81589	53.330	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.179	98	300995	53.253	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.477	95	103154	53.695	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	35030	21.284	ug/l	97
3) Chloromethane	2.113	50	38707	19.401	ug/l	98
4) Vinyl Chloride	2.253	62	38344	19.757	ug/l	98
5) Bromomethane	2.637	94	26105	22.206	ug/l	98
6) Chloroethane	2.790	64	23915	20.064	ug/l	97
7) Trichlorofluoromethane	3.125	101	64439	20.489	ug/l	95
8) Diethyl Ether	3.521	74	19914	21.331	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	35501	20.043	ug/l	91
10) Methyl Iodide	4.088	142	37646	19.715	ug/l	94
11) Tert butyl alcohol	4.942	59	27679	124.926	ug/l	98
12) 1,1-Dichloroethene	3.869	96	32844	20.074	ug/l	90
13) Acrolein	3.723	56	22413	103.185	ug/l	99
14) Allyl chloride	4.479	41	52829	21.022	ug/l #	96
15) Acrylonitrile	5.161	53	48683	110.996	ug/l	99
16) Acetone	3.942	43	50814	96.763	ug/l	97
17) Carbon Disulfide	4.192	76	102997	20.052	ug/l	96
18) Methyl Acetate	4.472	43	22554	22.930	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	99691	21.627	ug/l	98
20) Methylene Chloride	4.716	84	36961	20.356	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	36369	20.093	ug/l	93
22) Diisopropyl ether	6.118	45	110979	21.076	ug/l	95
23) Vinyl Acetate	6.058	43	370845	107.989	ug/l	95
24) 1,1-Dichloroethane	6.015	63	65903	20.723	ug/l	98
25) 2-Butanone	6.984	43	66867	105.390	ug/l	92
26) 2,2-Dichloropropane	6.978	77	59644	19.600	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	40141	20.078	ug/l	91
28) Bromochloromethane	7.332	49	25409	20.434	ug/l	91
29) Tetrahydrofuran	7.344	42	41846	114.137	ug/l	88
30) Chloroform	7.508	83	68345	20.659	ug/l	97
31) Cyclohexane	7.783	56	64532	20.453	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	61920	20.139	ug/l	96
36) 1,1-Dichloropropene	7.917	75	53012	19.820	ug/l	99
37) Ethyl Acetate	7.076	43	28745	21.618	ug/l	95
38) Carbon Tetrachloride	7.899	117	55894	19.891	ug/l	93
39) Methylcyclohexane	9.185	83	66607	19.830	ug/l	89
40) Benzene	8.161	78	141650	19.980	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15215	23.026	ug/l #	52
42) 1,2-Dichloroethane	8.234	62	44947	20.856	ug/l	95
43) Isopropyl Acetate	8.271	43	54948	22.097	ug/l #	93
44) Trichloroethene	8.941	130	38264	19.962	ug/l	92
45) 1,2-Dichloropropane	9.215	63	35247	20.163	ug/l #	89
46) Dibromomethane	9.307	93	21748	20.910	ug/l	90
47) Bromodichloromethane	9.496	83	52159	20.739	ug/l	96
48) Methyl methacrylate	9.289	41	23192	20.623	ug/l #	86
49) 1,4-Dioxane	9.301	88	5318	466.791	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	140234	111.193	ug/l	93
52) Toluene	10.240	92	89817	20.108	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	53679	20.430	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	60985	20.723	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	28384	20.779	ug/l	99
56) Ethyl methacrylate	10.508	69	41025	21.623	ug/l	86
57) 1,3-Dichloropropane	10.788	76	49577	20.470	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	102524	103.883	ug/l	96
59) 2-Hexanone	10.831	43	97759	106.323	ug/l	89
60) Dibromochloromethane	10.983	129	35122	20.653	ug/l	99
61) 1,2-Dibromoethane	11.087	107	28910	21.392	ug/l	99
64) Tetrachloroethene	10.721	164	33205	20.058	ug/l	94
65) Chlorobenzene	11.514	112	92543	19.721	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	34287	19.573	ug/l	97
67) Ethyl Benzene	11.587	91	175515	19.710	ug/l	97
68) m/p-Xylenes	11.703	106	130279	39.501	ug/l	98
69) o-Xylene	12.026	106	62601	20.076	ug/l	100
70) Styrene	12.044	104	104576	20.344	ug/l	99
71) Bromoform	12.203	173	19544	20.221	ug/l #	96
73) Isopropylbenzene	12.325	105	168679	19.255	ug/l	98
74) N-amyl acetate	12.142	43	46199	21.305	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	33227	20.769	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	23832m	20.914	ug/l	
77) Bromobenzene	12.605	156	36360	19.704	ug/l	98
78) n-propylbenzene	12.666	91	207312	19.538	ug/l	98
79) 2-Chlorotoluene	12.751	91	115910	19.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	142807	19.983	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	11709	20.586	ug/l	88
82) 4-Chlorotoluene	12.849	91	117785	19.520	ug/l	99
83) tert-Butylbenzene	13.075	119	123505	19.852	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	142952	20.316	ug/l	98
85) sec-Butylbenzene	13.251	105	182151	19.520	ug/l	98
86) p-Isopropyltoluene	13.367	119	149984	19.730	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	69881	19.532	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	70757	19.839	ug/l	96
89) n-Butylbenzene	13.696	91	145464	19.881	ug/l	99
90) Hexachloroethane	13.959	117	28364	19.744	ug/l	77
91) 1,2-Dichlorobenzene	13.733	146	62706	19.911	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5367	20.644	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	36737	19.698	ug/l	98
94) Hexachlorobutadiene	15.105	225	20007	19.379	ug/l	99
95) Naphthalene	15.233	128	84765	21.871	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	31560	20.047	ug/l	98

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

