

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002252.D
 Acq On : 08 Apr 2020 16:12
 Operator : SY/MD
 Sample : VY0408SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:32:07 AM

Quant Time: Apr 09 02:05:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	159731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	290978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	261229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	122699	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	90683	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.73	113	88425	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.19	98	373411	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.49	95	125931	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	32356	20.043	ug/l	97
3) Chloromethane	2.12	50	41935	20.640	ug/l	97
4) Vinyl Chloride	2.26	62	44688	20.664	ug/l	95
5) Bromomethane	2.65	94	28082	21.028	ug/l	95
6) Chloroethane	2.80	64	25897	20.764	ug/l	95
7) Trichlorofluoromethane	3.13	101	57271	20.507	ug/l	98
8) Diethyl Ether	3.54	74	23599	19.877	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	39481	20.811	ug/l	99
10) Methyl Iodide	4.10	142	40508	18.370	ug/l	100
11) Tert butyl alcohol	4.97	59	23765	106.350	ug/l	98
12) 1,1-Dichloroethene	3.88	96	39958	20.717	ug/l	97
13) Acrolein	3.74	56	23093	100.828	ug/l	100
14) Allyl chloride	4.49	41	64836	20.817	ug/l	99
15) Acrylonitrile	5.18	53	62321	102.645	ug/l	99
16) Acetone	3.96	43	49303	105.381	ug/l	98
17) Carbon Disulfide	4.21	76	131087	20.465	ug/l	98
18) Methyl Acetate	4.49	43	32914	22.681	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	104746	20.658	ug/l	97
20) Methylene Chloride	4.73	84	46280	20.126	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	45149	20.855	ug/l	99
22) Diisopropyl ether	6.13	45	131915	21.046	ug/l	96
23) Vinyl Acetate	6.08	43	417214	104.454	ug/l	100
24) 1,1-Dichloroethane	6.03	63	73631	20.653	ug/l	98
25) 2-Butanone	7.00	43	76772	103.690	ug/l	97
26) 2,2-Dichloropropane	7.00	77	61311	20.559	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	48443	20.528	ug/l	99
28) Bromochloromethane	7.35	49	33166	21.551	ug/l	93
29) Tetrahydrofuran	7.36	42	51187	104.587	ug/l	99
30) Chloroform	7.52	83	71017	21.132	ug/l	95
31) Cyclohexane	7.80	56	78374	20.943	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	58365	20.866	ug/l	99
36) 1,1-Dichloropropene	7.93	75	60212	21.008	ug/l	99
37) Ethyl Acetate	7.08	43	32851	20.064	ug/l	99
38) Carbon Tetrachloride	7.91	117	50231	20.489	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	80256	20.585	ug/l	98
40) Benzene	8.17	78	175993	20.239	ug/l	99
41) Methacrylonitrile	7.33	41	20434m	21.156	ug/l	
42) 1,2-Dichloroethane	8.25	62	43650	20.264	ug/l	99
43) Isopropyl Acetate	8.28	43	61002	20.428	ug/l	99
44) Trichloroethene	8.95	130	51886	20.295	ug/l	96
45) 1,2-Dichloropropane	9.22	63	43328	20.082	ug/l	100
46) Dibromomethane	9.31	93	22761	20.176	ug/l	99
47) Bromodichloromethane	9.50	83	52628	20.332	ug/l	96
48) Methyl methacrylate	9.30	41	28172	21.040	ug/l	98
49) 1,4-Dioxane	9.30	88	6972	436.908	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	161860	104.021	ug/l	99
52) Toluene	10.25	92	107305	20.476	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	58482	20.737	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	67631	19.947	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	33586	20.336	ug/l	96
56) Ethyl methacrylate	10.52	69	48691	20.656	ug/l	98
57) 1,3-Dichloropropane	10.80	76	58841	20.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	130475	106.887	ug/l	99
59) 2-Hexanone	10.84	43	111158	102.931	ug/l	100
60) Dibromochloromethane	10.99	129	36431	20.687	ug/l	97
61) 1,2-Dibromoethane	11.09	107	32282	20.531	ug/l	100
64) Tetrachloroethene	10.72	164	54741	20.727	ug/l	99
65) Chlorobenzene	11.52	112	112330	20.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36242	20.215	ug/l	97
67) Ethyl Benzene	11.60	91	206401	20.763	ug/l	99
68) m/p-Xylenes	11.70	106	155382	41.732	ug/l	100
69) o-Xylene	12.03	106	73164	20.930	ug/l	99
70) Styrene	12.05	104	125125	20.632	ug/l	99
71) Bromoform	12.21	173	20078	20.594	ug/l #	98
73) Isopropylbenzene	12.33	105	194956	20.225	ug/l	99
74) N-amyl acetate	12.14	43	55527	20.293	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	23941	20.528	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	26187m	18.379	ug/l	
77) Bromobenzene	12.61	156	42839	20.200	ug/l	99
78) n-propylbenzene	12.67	91	242923	20.263	ug/l	100
79) 2-Chlorotoluene	12.76	91	133038	20.420	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	162969	20.443	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	14754	20.141	ug/l	96
82) 4-Chlorotoluene	12.86	91	138882	20.338	ug/l	100
83) tert-Butylbenzene	13.08	119	135431	20.281	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	162576	20.422	ug/l	100
85) sec-Butylbenzene	13.25	105	201066	20.213	ug/l	100
86) p-Isopropyltoluene	13.37	119	177092	20.685	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	83011	20.197	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	82568	19.791	ug/l	98
89) n-Butylbenzene	13.70	91	179874	20.497	ug/l	98
90) Hexachloroethane	13.97	117	32140	19.700	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	75522	20.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6026	21.364	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	49648	20.338	ug/l	97
94) Hexachlorobutadiene	15.11	225	23982	19.506	ug/l	100
95) Naphthalene	15.24	128	108627	20.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42585	20.091	ug/l	99

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

